FORM PTO-1390
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY DOCKET NUMBER
SMAR-0013
U.S. APPLICATION NO. (if known see 37 C.F.R. 1.5)
10/019,341

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/CA00/00762	23 June 2000 (23.06.00)	24 June 1999 (24.06.99)

TITLE OF INVENTION   **LPL VARIANT THERAPEUTICS**

APPLICANT(S) FOR DO/EO/US   **Michael R. HAYDEN and John J.P. KASTELEIN**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. __ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. X This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. __ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. __ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.

5. __ A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
   a. __ is transmitted herewith (required only if not transmitted by the International Bureau).
   b. __ has been transmitted by the International Bureau.
   c. __ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. __ A translation of the International Application into English (35 U.S.C. 371(c)(2)).

7. __ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
   a. __ are transmitted herewith (required only if not transmitted by the International Bureau).
   b. __ have been transmitted by the International Bureau.
   c. __ have not been made; however, the time limit for making such amendments has NOT expired.
   d. __ have not been made and will not be made.

8. __ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

9. X An oath or declaration of the inventor(s) 35 U.S.C. 371(c)(4).

10. __ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:
11. __ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

12. __ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

13. __ A FIRST preliminary amendment.
    __ A SECOND or SUBSEQUENT preliminary amendment.

14. __ A substitute specification.

15. __ A change of power of attorney and/or address letter.

16. X Other items or information:
    - Copy of Notification of Missing Requirements dated March 5, 2002.
    - Sequence Listing in written form (7 sheets) and computer readable format (1 diskette).
    - Transmittal Letter Submitting Sequence Listing (1 sheet).
    - Statement to Support Filing and Submission (1 sheet).
    - Associate Power of Attorney.

EXPRESS MAIL Mailing Label No. EV 047252545 US
Date of Deposit: **May 3, 2002**

U.S. APPLICATION NO. (if known 37 C.F.R. 1.5) 10/019,341	INTERNATIONAL APPLICATION NO. PCT/CA00/00762	ATTORNEY DOCKET NUMBER SMAR-0013

17. __ The following fees are submitted:

Basic National Fee (37 CFR 1.492(a)(1) - (5)):

CALCULATIONS   PTO USE ONLY

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.........................$1,040.00	
International preliminary examination fee (37 CFR 1.482 not paid to USPTO but International Search Report has been prepared by the EPO or JPO....................$890.00	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO.................................$740.00	
International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..................................$710.00	
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)...$100.00	

ENTER APPROPRIATE BASIC FEE AMOUNT =	$	
Surcharge of $130.00 for furnishing the oath or declaration later than _ 20 **X** 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	$130.00	

Claims	Number Filed	Number Extra	Rate		
Total claims	- 20 =		X $18.00	$	
Independent Claims	- 3 =		x $84.00	$	
Multiple dependent claims(s) (if applicable)			+ $280.00	$	

TOTAL OF ABOVE CALCULATIONS =	$130.00	
___ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.	$	
SUBTOTAL =	$	
Processing fee of **$130.00** for furnishing the English translation later the _ 20 _ 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +	$	
TOTAL NATIONAL FEE =	$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **$40.00** per property +		
TOTAL FEES ENCLOSED =	$130.00	

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C |FC:154   130.00 OP |

Amount to be: refunded	$	
charged	$	

a. **X** A check in the amount of $130 to cover the above fee is enclosed.

b. __ Please charge my Deposit Account No. 23-3050 in the amount of $_____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. **X** The Commissioner if hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-3050. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Jeffrey J. King, Esq.
Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
(215) 568-3100

SIGNATURE

Jeffrey J. King, Esq.
NAME

38,515
REGISTRATION NUMBER